

Amendments to the Claims

This listing of claims is to replace all prior versions and listings of claims in the application.

1. (currently amended) A method of associating a permission set with a code assembly based on evidence characterized by different levels of trust, the method comprising:

receiving at least a first condition in a first element of evidence, wherein the first condition is associated with the permissions set and the a level of trust associated with the first element of evidence is independent of other evidence and conditions;

receiving at least a second condition and a second element of evidence, wherein the second condition is associated with the permission set and the a level of trust associated with the second element is dependent upon the first condition;

determining whether the first condition is satisfied by the first element of evidence;

determining whether the second condition is satisfied by the second element of evidence; and

associating the permission set with the code assembly, if both the first condition and the second condition are satisfied.

2. (original) The method of claim 1 wherein the operation of receiving at least a first condition comprises:

receiving the first condition and the first element of evidence within a membership criterion.

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2 3. (original) The method of claim 1 wherein the operation of receiving
3 at least a second condition comprises:

4 4. receiving the second condition in the second element of evidence within a
5 membership criterion.

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7 4. (original) The method of claim 1 wherein the operation of receiving
8 at least a first condition comprises:

9 receiving the first condition in a membership criterion; and
10 reading the first element of evidence based on a reference included in the
11 membership criterion.

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13 5. (original) The method of claim 1 wherein the operation of receiving
14 at least a second condition comprises:

15 receiving the second condition in a membership criterion; and
16 receiving the second element of evidence based on a reference included in
17 the membership criterion.

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19 6. (original) The method of claim 1 wherein the first condition applies
20 the first element of evidence as implicitly trusted evidence used to validate the
21 second element of evidence applied in the second condition.

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23 7. (original) The method of claim 1 wherein the second condition
24 applies the second element of evidence as initially untrusted evidence.

1 8. (original) The method of claim 1 further comprising:
2 generating a collection of code groups, each code group being associated
3 with a membership criterion and a permission set, wherein the first condition and
4 the second condition are received in the membership criterion associated with one
5 of the code groups; and

6 determining whether the code assembly is a member of the code group,
7 based on the membership criterion.

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9 9. (original) The method of claim 8 wherein the associating operation
10 comprises:

11 associating the permission set of the code group with the code assembly, if
12 the code assembly is determined to be a member of the code group.

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14 10. (currently amended) The method of claim 1 further comprising:
15 receiving at least a third condition referencing a third element of evidence,
16 wherein ~~the~~ a level of trust associated with the third element is dependent upon the
17 second condition; and

18 determining whether the third condition is satisfied by the third element of
19 the evidence, wherein the associating operation comprises associating the
20 permission set with the code assembly, if the first condition, the second condition,
21 and the third condition are satisfied.

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23 11. (currently amended) A computer program product encoding a
24 computer program for executing on a computer system a computer process for

1 associating a permission set with a code assembly based on evidence characterized
2 by different levels of trust, the computer process comprising:

3 generating a collection of code groups, each code group being associated
4 with a membership criterion and a permission set;

5 receiving the membership criterion associated with one of the code groups,
6 the membership criterion including at least a first condition and a second
7 condition;

8 referencing a first element of evidence in the first condition, wherein ~~the a~~
9 level of trust associated with the first element of evidence is independent of other
10 evidence and conditions;

11 referencing a second element of evidence in the second condition, wherein
12 ~~the a~~ level of trust associated with the second element is dependent upon the first
13 condition;

14 determining whether the first condition is satisfied by the first element of
15 evidence;

16 determining whether the second condition is satisfied by the second
17 element of evidence;

18 evaluating the first condition and the second condition using a logical
19 operation to determine membership of the code assembly in the code group; and

20 associating the permission set with the code assembly, if the code assembly
21 is determined to be a member of the code group.

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23 12. (currently amended) The computer program product of claim 11
24 where in the computer process further comprises:
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1 receiving at least a third condition referencing a third element of evidence,
2 wherein ~~the~~ a level of trust associated with the third element is dependent upon the
3 second condition; and

4 determining whether the third condition is satisfied by the third element of
5 evidence, wherein the associating operation comprises associating the permission
6 set with the code assembly, if the first condition, the second condition, and the
7 third condition are satisfied.

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9 13. (currently amended) A computer data signal embodied in a carrier
10 wave by a computing system and encoding a computer program for executing a
11 computer process associating a permission set with a code assembly based on
12 evidence characterized by different levels of trust, the computer process
13 comprising:

14 receiving at least a first condition referencing a first element of evidence,
15 wherein the first condition is associated with the permission set and ~~the~~ a level of
16 trust associated with the first element of evidence is independent of other evidence
17 and conditions;

18 receiving at least a second condition referencing the second element of
19 evidence, wherein the second condition is associated with the permission set and
20 ~~the~~ a level of trust associated with the second element is dependent upon the first
21 condition;

22 determining whether the first condition is satisfied by the first element of
23 evidence;

24 determining whether the second condition is satisfied by the second
25 element of evidence; and

1 associating the permission set with the code assembly, if both the first and
2 second conditions are satisfied.

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4 14. (currently amended) A computer program storage medium readable
5 by a computer system and encoding a computer program for executing a computer
6 process associating a permission set with a code assembly based on evidence
7 characterized by different levels of trust, the computer process comprising:

8 receiving at least a first condition referencing a first element of evidence,
9 wherein the first condition is associated with the permission set and ~~the a~~ level of
10 trust associated with the first element of evidence is independent of other evidence
11 and conditions;

12 receiving at least a second condition referencing a second element of
13 evidence, wherein the second condition is associated with the permission set and
14 ~~the a~~ level of trust associated with the second element is dependent upon the first
15 condition;

16 determining whether the first condition is satisfied by the first element of
17 evidence;

18 determining whether the second condition is satisfied by the second
19 element of evidence; and

20 associating the permission set with the code assembly, if both the first and
21 second conditions are satisfied.

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23 15. (currently amended) A policy manager for associating a permission
24 set with a code assembly based on evidence characterized by different levels of
25 trust, the policy manager comprising:

1 a code collection generator generating a collection of code groups, each
2 code group being associated with the membership criterion and a permission set;

3 a membership evaluator evaluating at least a first condition and a second
4 condition associated with one of the code groups, the first condition referencing a
5 first element of evidence in the first condition, wherein ~~the a~~ level of trust
6 associated with the first element of evidence is independent of other evidence and
7 conditions; the second condition referencing the second element of evidence,
8 wherein ~~the a~~ level of trust associated with the second element is dependent upon
9 the first condition; and

10 a permission set generator associating the permission set of the code group
11 with the code assembly, if the code assembly is determined to be a member of the
12 code group.

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14 16. (currently amended) The policy manager of claim 15 wherein the
15 membership evaluator further receives at least a third condition referencing a third
16 element of evidence, wherein the third condition is associated with the permission
17 set and ~~the a~~ level of trust associated with the third element is dependent upon the
18 second condition, and determines whether the third condition is satisfied by the
19 third element of evidence, and

20 wherein the permission set generator associates the permission set with the
21 code assembly, if the first condition, the second conditioned, and the third
22 conditions are satisfied.

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24 17. (currently amended) A computer program product encoding a
25 computer program for executing on a computer system a computer process for

1 associating a permission set with a code assembly based on evidence characterized
2 by different levels of trust, the computer process comprising:

3 receiving one or more first conditions, each first condition being associated
4 with one or more first elements of evidence, wherein each first condition is
5 associated with the permission set;

6 determining whether each first condition is satisfied by an associated first
7 element of evidence;

8 generating an indication for each first condition that is satisfied;

9 receiving a second condition associated with the permission set;

10 determining whether the second condition is satisfied based on the
11 indications, wherein a level of trust associated with the indications depends upon a
12 first condition of the one or more first conditions; and

13 associating the permission set with the code assembly, if both the first
14 condition in the second condition are satisfied.

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16 18. (original) The computer program product of claim 17 wherein the
17 indication is associated with the first value associated with the first condition, in
18 the operation of determining whether the second condition is satisfied comprises:

19 collecting the first value and additional values associated with other
20 satisfied conditions to provide collected values;

21 summing the collected values to provide a sound; and

22 evaluating the sum against the threshold to determine whether the second
23 condition is satisfied.

1 19. (original) The computer program of claim 17 wherein at least one
2 first element of evidence includes initially entrusted evidence.

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4 20. (original) The computer program of claims 17 wherein at least one
5 indication includes financially entrusted evidence.

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7 21. (original) The computer program of claim 17 wherein the computer
8 process further comprises:

9 generating an indication for each first condition that is not satisfied.

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